

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1 1. (Currently Amended): A system for a device, wherein the device includes
2 ~~having~~ a printed circuit board ~~inside it~~, comprising:
3 a motion sensor operatively coupled to said printed circuit board of said device,
4 said motion sensor having a motion signal output; and
5 a detection circuit connected to said motion signal output and having a trigger
6 signal output,
7 said motion sensor comprising:
8 a ball contact; and
9 at least one stationary contact ~~disposed~~ formed directly on a surface of
10 said printed circuit board of said device,
11 wherein said ball contact is in electrical contact with said at least one
12 stationary contact.
2. (Canceled)
- 1 3. (Currently Amended): The ~~wake-up~~ system of ~~claim 2~~ claim 1, wherein
2 said trigger signal output is a wake-up signal output.
- 1 4. (Currently Amended): The ~~wake-up~~ system of ~~claim 2~~ claim 1, wherein
2 said device is an input device.
- 1 5. (Original): The system of claim 1, wherein said motion sensor is a
2 mechanical motion sensor.

1 6. (Original): The system of claim 5, wherein said motion sensor is a tilt
2 sensor.

1 7. (Currently Amended): The ~~wake-up~~ system of claim 4, wherein said input
2 device is a mouse.

1 8. (Currently Amended): The ~~wake-up~~ system of claim 7, wherein said
2 mouse is an optical mouse.

1 9. (Currently Amended): The ~~wake-up~~ system of claim 4, wherein said input
2 device is a wireless device.

10. (Canceled)

1 11. (Currently Amended): The system of claim 1, wherein said at least one
2 stationary contact is printed on said printed circuit board.

1 12. (Currently Amended): The system of claim 1, wherein said at least one
2 stationary contact has a hole in [[the]] a center thereof.

1 13. (Currently Amended): The system of claim 1, wherein the at least one
2 stationary contact has an inclined surface toward [[its]] a center thereof.

1 14. (Currently Amended): The system of claim 6, wherein [[the]] a sensitivity
2 of said tilt sensor is adjustable during manufacture of said tilt sensor.

1 15. (Currently Amended): The system of claim 6, wherein said at least one
2 stationary contact has a hole in a center thereof, and [[the]] a sensitivity of said tilt sensor is
3 adjusted by [[the]] a size of the hole.

1 16. (Currently Amended): The system of claim 14, wherein the sensitivity of
2 said tilt sensor is adjustable by [[the]] a size of the ball contact.

1 17. (Currently Amended): The system of claim 14, wherein the sensitivity of
2 said tilt sensor is adjustable by ~~[[the]]~~ a weight of the ball contact.

1 18. (Currently Amended): The system of claim 14, wherein the sensitivity of
2 said tilt sensor is adjustable by ~~[[the]]~~ a conductivity of the ball contact.

1 19. (Currently Amended): The system of claim 6, wherein ~~said tilt sensor~~
2 ~~comprises plural~~ a plurality of stationary contacts are formed directly on a surface of said printed
3 circuit board of said device.

1 20. (Currently Amended): The system of claim 19, wherein the ~~plural~~
2 plurality of stationary contacts are wedge-shaped elements arranged about a central point ~~as~~
3 ~~pieces of a pie.~~

1 21. (Previously presented): The system of claim 19, wherein there are at least
2 2 stationary contacts.

1 22. (Withdrawn, Previously presented): The system of claim 19, wherein
2 there are at least 4 stationary contacts.

1 23. (Withdrawn, Previously presented): The system of claim 19, wherein
2 there are at least 6 stationary contacts.

1 24. (Withdrawn, Previously presented): The system of claim 19, wherein
2 there are at least 8 stationary contacts.

1 25. (Previously presented): The system of claim 6, wherein said ball contact
2 is a conductive ball.

1 26. (Previously presented): The system of claim 6, wherein the ball contact is
2 gold-plated.

1 27. (Previously presented): The system of claim 6, wherein said stationary
2 contact is gold-plated.

1 28. (Original): The system of claim 1, wherein said motion sensor further
2 includes a housing and said housing is sealed.

1 29. (Withdrawn): The system of claim 28, wherein said housing is sealed
2 with an O-ring.

1 30. (Original): The system of claim 28, wherein said housing is sealed with
2 an adhesive.

1 31. (Currently Amended): The system of claim 1, wherein said motion sensor
2 comprises an electrical switch and said detection circuit detects a change in a state of whether
3 said switch is opened or closed.

1 32. (Currently Amended): The system of claim 31, wherein said detection
2 circuit comprises: a motion detector that determines if there is a change in the opened or closed
3 state of the electrical switch ~~a motion sensor switch~~; and a signal processing circuit having a
4 latch circuit ~~that~~ , wherein said latch circuit creates a signal of a particular level for a period of
5 time to generate a wake-up signal.

1 33. (Currently Amended): The system of claim 32, wherein the motion
2 detector of said detection circuit comprises two invertors for amplifying and converting [[a]] the
3 motion signal ~~pulse output~~ from the motion sensor.

34. (Canceled)

1 35. (Currently Amended): An input device comprising:
2 a printed circuit board;

3 a motion sensor operatively coupled to the printed circuit board of the input
4 device, said motion sensor having a motion signal output; and
5 a detection circuit responsive to said motion signal output and having a wake-up
6 signal output,
7 said motion sensor comprising:
8 a ball contact; and
9 at least one stationary contact ~~disposed~~ formed directly on a surface of
10 said printed circuit board of said device,
11 wherein said ball contact is in electrical contact with said at least one
12 stationary contact.

1 36. (Currently Amended): A method ~~of waking-up~~ for operating an input
2 device, wherein the device includes ~~having~~ a printed circuit board ~~inside it~~, comprising:
3 operatively coupling a motion sensor to said printed circuit board, said motion
4 sensor comprising:
5 a ball contact; and
6 at least one stationary contact ~~disposed~~ formed directly on a surface of
7 said printed circuit board of said device,
8 wherein said ball contact is in electrical contact with said at least one
9 stationary contact[.];
10 outputting a motion signal from said motion sensor;
11 providing a detection circuit responsive to said motion signal; and
12 outputting a wake-up signal from said detection circuit to circuitry of said input
13 device to ~~wake-up~~ activate said input device.

1 37. (Original): The method of claim 36, wherein said input device further
2 comprises a microprocessor and said microprocessor wakes-up the input device in response to
3 said wake-up signal from said detection circuit.